

Dow VORANOL™ 4240 Polyether Polyol

Category : Polymer , Thermoset

Material Notes:

VORANOL™ 4240 polyether polyol is a nominal 4000 molecular weight diol based on propylene oxide with ethylene oxide capping. Its high molecular weight and enhanced reactivity make it well suited to use in the production of high performance polyurethane elastomers, prepolymers and other applications. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-VORANOL-4240-Polyether-Polyol.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	
Viscosity Measure	62 cSt	62 cSt	
	@Temperature 98.9 °C	@Temperature 210 °F	
	410 cSt	410 cSt	
	@Temperature 37.8 °C	@Temperature 100 °F	
	790 cSt	790 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Maximum Moisture Content	0.050	0.050	wt% water
Vapor Pressure	<= 0.0000133 bar	<= 0.0100 torr	
ASTM Color	<= 50	<= 50	APHA

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	2.09 J/g-°C	0.500 BTU/lb-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.151 W/m-K	1.04 BTU-in/hr-ft²-°F	
Flash Point	247 °C	477 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.453	1.453	

Descriptive Properties	Value	Comments
Hydroxyl Number mg KOH/g	27 - 30.4	

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